

Title (en)

PEPTIDES FOR THE TREATMENT OF SYSTEMIC LUPUS ERYTHEMATOSUS AND METHODS OF TREATING SYSTEMIC LUPUS ERYTHEMATOSUS

Title (de)

PEPTIDE ZUR BEHANDLUNG VON SYSTEMISCHEM LUPUS ERYTHEMATODES UND VERFAHREN ZUR BEHANDLUNG VON SYSTEMISCHEM LUPUS ERYTHEMATODES

Title (fr)

PEPTIDES POUR LE TRAITEMENT DU LUPUS ÉRYTHÉMATÉUX SYSTÉMIQUE ET PROCÉDÉ DE TRAITEMENT DU LUPUS ÉRYTHÉMATÉUX SYSTÉMIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008142694A2] A method is disclosed for treating systemic lupus erythematosus in a mammalian subject, comprising administering to said subject an effective dose of at least one laminin peptide, or an analog or a derivative thereof. In one exemplary embodiment, the laminin peptide is selected from the group consisting of R38 (SEQ. ID. NO. 1), and claimed R38 analogs and derivatives thereof including 5200 (SEQ. ID. NO. 10), 5104 (SEQ. ID. NO. 15), 5105 (SEQ. ID. NO. 16), 5106 (SEQ. ID. NO. 17), 5107 (SEQ. ID. NO. 18), 5108 (SEQ. ID. NO. 19), 5109 (SEQ. ID. NO. 20), 5110 (SEQ. ID. NO. 21). The laminin peptides of the present invention may be prepared by known chemical synthetic methods or by biotechnological methods. The invention also provides assays useful for the diagnosis of and following pathological activity course of systemic lupus erythematosus in patients suffering therefrom. In addition, the subject invention concerns a method of treating systemic lupus erythematosus in a subject comprising the extracorporeal removal of lupus antibodies from the subject's plasma and returning the plasma to the subject. In an additional aspect, the invention provides method of reducing anti-R38 antibody levels in a patient's plasma.

IPC 8 full level

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Citation (search report)

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- [X] AMITAL HOWARD ET AL: "Treatment with a laminin-derived peptide suppresses lupus nephritis", JOURNAL OF IMMUNOLOGY, vol. 175, no. 8, October 2005 (2005-10-01), pages 5516 - 5523, XP002591035, ISSN: 0022-1767
- [I] SKUBITZ A P N ET AL: "Synthetic peptides from the carboxy-terminal globular domain of the A chain of laminin: their ability to promote cell adhesion and neurite outgrowth, and interact with heparin and the beta1 integrin subunit", THE JOURNAL OF CELL BIOLOGY, ROCKEFELLER UNIVERSITY PRESS, US LNKD- DOI:10.1083/JCB.115.4.1137, vol. 115, no. 4, 1 November 1991 (1991-11-01), pages 1137 - 1148, XP002092964, ISSN: 0021-9525
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- See references of WO 2008142694A2

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